

## ABSTRACT OF THE DISCLOSURE

Disclosed are an air conditioner for cooling or heating air in a room by compressing, condensing, expanding and evaporating a refrigerant, and a method for controlling an electronic expansion valve of the air conditioner. The air conditioner includes a plurality of compressors, for compressing a refrigerant, of which one or more are operated so that refrigerant compression capacity is variably changed according to the variation of a cooling/heating load; and an electronic expansion valve adapted to control the refrigerant compression capacity. The electronic expansion valve controls the flow rate of the refrigerant after one or more of the compressors are stopped, thereby rapidly achieving the pressure equilibrium at inlet and outlet pipes of the stopped compressor(s), shortening a time taken to allow the stopped compressor(s) to be re-operated, and improving reliability in operating the compressors.